

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2004/015563

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 F04C18/00 C23C16/44

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C23C F04C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/023229 A (ULVAC, INC; SHIBAYAMA, KOUJI; YAMASHITA, YUUICHI; YAHAGI, MITSURU; TAS) 20 March 2003 (2003-03-20) abstract	1-5
P, X	-& US 2004/173312 A1 (SHIBAYAMA KOUJI ET AL) 9 September 2004 (2004-09-09) paragraphs '0040!, '0041!, '0069!, '0080!, '0095!, '0102!	1-5
A	US 2002/090310 A1 (IZAWA HIROSHI) 11 July 2002 (2002-07-11) paragraph '0048!; figure 5	1
A	EP 1 130 264 A (THE BOC GROUP PLC) 5 September 2001 (2001-09-05) paragraph '0010!; figure 1	1, 5
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

28 June 2005

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08/07/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	WO 03/033761 A (LEYBOLD VAKUUM GMBH; MUELLER, PETER; ARNDT, LUTZ) 24 April 2003 (2003-04-24) figure 4	2
A	----- US 2003/097985 A1 (KITAZAWA TAKASHI) 29 May 2003 (2003-05-29) paragraph '0032! -----	4

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Information on patent family members

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